not only a <u>recording</u> method which enables stable continuous <u>recording</u> without

being affected by the existence of many defective areas on an information storage medium but also an information <u>recording</u> and reproducing device which

uses the <u>recording</u> method. There is further provided an information storage medium (as well as the data structure of the information recorded on the medium) on which information has been recorded in the most suitable form for the stable continuous <u>recording</u>.

Detailed Description Text - DETX (905):

Furthermore, there is provided an environment setting method (specifically, a video information <u>recording</u>/reproducing/editing system) which assures stable video information management without imposing a burden on the <u>recording</u>/reproducing application software layer (or without causing the <u>recording</u>/reproducing application software layer to perform defect management),

even when many defective areas are present on the information storage medium.

Detailed Description Text - DETX (907):

The present invention is applicable to an information storage medium, such as an optical disk, its data structure, an information **recording** method, an information **recording** device, and a playback device.

Detailed Description Paragraph Equation - DEEQ (1): (the amount of light in <u>recording</u>)>(the amount of light in deleting)>(the amount of light in reproducing) (1)

Detailed Description Paragraph Equation - DEEQ (2): (the amount of light in <u>recording</u>).apprxeq.(the amount of light in deleting)>(the amount of light in reproducing) (2)

Detailed Description Paragraph Table - DETL (1):

TABLE 1 LIST OF FUNCTIONS (EFFECTS OF EMBODIMENTS OF THE PRESENT

INVENTION) NECESSARY IN $\underline{\text{RECORDING}}$ AND REPRODUCING VIDEO INFORMATION (LIST OF

EFFECTS PRODUCED BY VIDEO INFORMATION RECORDING AND

				· · · · · · · · · · · · · · · · · · ·
L Number	Hits	Search Text	DB	Time stamp
1	61594	707/\$.ccls. or 714/\$.ccls.	USPAT;	2004/03/09 13:26
			US-PGPUB;	
			EPO; JPO; DERWENT;	
	140	(707/\$.ccls. or 714/\$.ccls.) and replacement near2 (processing	IBM_TDB USPAT;	2004/03/09 13:40
2	140	or sectors!)	US-PGPUB;	2004/03/09 13.40
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	
3	22	((707/\$.ccls. or 714/\$.ccls.) and replacement near2	USPAT;	2004/03/09 13:41
		(processing or sectors!)) and (PC! and AV!) and error\$5	US-PGPUB;	
		, , , , , , ,	EPO; JPO;	
			DERWENT;	
			IBM_TDB	
4	22	(((707/\$.ccls. or 714/\$.ccls.) and replacement near2	USPAT;	2004/03/09 13:30
		(processing or sectors!)) and (PC! and AV!) and error\$5) and	US-PGPUB;	
		sectors!	EPO; JPO;	
			DERWENT;	
	20	///707/ft and an 744/ft and a local and an all an all and an all an all and an all an all and an all an all and an all an all and an all and an all an all and an all an all and an all	IBM_TDB	0004/00/00 40.00
5	22	(((707/\$.ccls. or 714/\$.ccls.) and replacement near2	USPAT;	2004/03/09 13:30
		(processing or sectors!)) and (PC! and AV!) and error\$5) and sectors! and area	US-PGPUB; EPO; JPO;	
		Sectors: and area	DERWENT:	
			IBM_TDB	
6	11	((((707/\$.ccls. or 714/\$.ccls.) and replacement near2	USPAT;	2004/03/09 13:30
	• •	(processing or sectors!)) and (PC! and AV!) and error\$5) and	US-PGPUB;	200 1100/00 10:00
		sectors! and area) and driver	EPO; JPO;	
İ		,	DERWENT	
			IBM_TDB	
7	49	(707/\$.ccls. or 714/\$.ccls.) and replacement and sectors! and	USPAT;	2004/03/09 13:45
		driver and error\$5 and (ECC or (error adj correction adj code))	US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
8	11	//707/\$ color or 714/\$ color) and contacent and contacel and	IBM_TDB	2004/02/00 42:42
°	11	((707/\$.ccls. or 714/\$.ccls.) and replacement and sectors! and driver and error\$5 and (ECC or (error adj correction adj	USPAT; US-PGPUB;	2004/03/09 13:43
		code))) and (PC! and AV!) adj (mode or file or data or	EPO; JPO;	
		application)	DERWENT:	
			IBM TDB	
9	26	(707/\$.ccls. or 714/\$.ccls.) and (PC! and AV!) adj (mode or file	USPAT;	2004/03/09 13:44
		or data or application)	US-PGPUB;	
			EPO; JPO;	
[·	DERWENT;	
	.=		IBM_TDB	
10	0	((707/\$.ccls. or 714/\$.ccls.) and (PC! and AV!) adj (mode or	USPAT;	2004/03/09 13:44
		file or data or application)) and (PC! and AV!) adj (mode and	US-PGPUB;	
		file)	EPO; JPO;	
			DERWENT; IBM_TDB	
11	19	((707/\$.ccls. or 714/\$.ccls.) and (PC! and AV!) adj (mode or	USPAT;	2004/03/09 13:44
'	,5	file or data or application)) and (PC! and AV!) adj (file)	US-PGPUB;	2007/00/03 13:44
		in a second of approximation, and to or and trong and time,	EPO; JPO;	
]]			DERWENT;	
			IBM_TDB	
12	19	(((707/\$.ccls. or 714/\$.ccls.) and (PC! and AV!) adj (mode or	USPAT;	2004/03/09 13:46
		file or data or application)) and (PC! and AV!) adj (file)) and	US-PGPUB;	
		(replace\$5 same sectors!) and (ECC or (error adj correction	EPO; JPO;	
		adj code))	DERWENT;	
112	40	///707/ft colo co 744/ft colo) and //201 and AV//	IBM_TDB	0004/00/00 10 10
13	19	(((707/\$.ccls. or 714/\$.ccls.) and (PC! and AV!) adj (mode or	USPAT;	2004/03/09 13:46
		file or data or application)) and (PC! and AV!) adj (file)) and	US-PGPUB;	
		(replace\$5 with sectors!) and (ECC or (error adj correction adj code))	EPO; JPO; DERWENT;	
		0000//	IBM_TDB	
<u> </u>			1 12111 100	

14	19	((((USPAT;	2004/03/09 13:47
†		file or data or application)) and (PC! and AV!) adj (file)) and	US-PGPUB;	
		(replace\$5 with sectors!) and (ECC or (error adj correction adj	EPO; JPO;	
		code))) and (sector_same (ECC or (error adj correction adj	DERWENT;	•
		code)))	IBM_TDB	
15	19	(((((707/\$.ccls. or 714/\$.ccls.) and (PC! and AV!) adj (mode or	USPAT;	2004/03/09 13:52
		file or data or application)) and (PC! and AV!) adj (file)) and	US-PGPUB;	
		(replace\$5 with sectors!) and (ECC or (error adj correction adj	EPO; JPO;	
		code))) and (sectors! same (ECC or (error adj correction adj	DERWENT;	
		code)))	IBM TDB	
16	11	(((((707/\$.ccls. or 714/\$.ccls.) and (PC! and AV!) adj (mode or	USPAT;	2004/03/09 13:51
'		file or data or application)) and (PC! and AV!) adj (file)) and	US-PGPUB;	200 1100100 10:01
		(replace\$5 with sectors!) and (ECC or (error adj correction adj	EPO; JPO;	
ļ		code))) and (sectors! same (ECC or (error adj correction adj	DERWENT;	
		code)))) and file adj type	IBM_TDB	
17	11	(((((707/\$.ccls. or 714/\$.ccls.) and (PC! and AV!) adj (mode or	USPAT;	2004/03/09 13:51
1		file or data or application)) and (PC! and AV!) adj (file)) and	US-PGPUB;	200 1100100 10:01
		(replace\$5 with sectors!) and (ECC or (error adj correction adj	EPO; JPO;	
		code))) and (sectors! same (ECC or (error adj correction adj	DERWENT;	
		code)))) and type	IBM_TDB	
18	391	(707/\$.ccls. or 714/\$.ccls.) and (sectors! same (ECC or (error	USPAT:	2004/03/09 14:06
		adj correction adj code)))	US-PGPUB;	200 1100100 1 1100
		, and constant and constant	EPO; JPO;	
			DERWENT;	
			IBM TDB	
19	251	((707/\$.ccls. or 714/\$.ccls.) and (sectors! same (ECC or	USPAT;	2004/03/09 13:52
		(error adj correction adj code)))) and area	US-PGPUB;	200 1100/00 10:02
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	
20	54	((707/\$.ccls. or 714/\$.ccls.) and (sectors! same (ECC or	USPAT;	2004/03/09 13:52
		(error adj correction adj code)))) and area and unit and driver	US-PGPUB;	200 1100/00 10:02
		(EPO; JPO;	
			DERWENT;	
			IBM TDB	
21	0	((707/\$.ccls. or 714/\$.ccls.) and (sectors! same (ECC or	USPAT;	2004/03/09 13:53
		(error adj correction adj code)))) and area and (unit near2	US-PGPUB;	
1		driver)	EPO; JPO;	
		,	DERWENT;	
			IBM_TDB	
22	65	((707/\$.ccls. or 714/\$.ccls.) and (sectors! same (ECC or	USPAT;	2004/03/09 13:53
		(error adj correction adj code)))) and area and driver	US-PGPUB;	
		· · · · · · · · · · · · · · · · · · ·	EPO; JPO;	
			DERWENT;	
			IBM TDB	
23	31	(((707/\$.ccls. or 714/\$.ccls.) and (sectors! same (ECC or	USPAT;	2004/03/09 13:56
		(error adj correction adj code)))) and area and driver) and	US-PGPUB;	
	-	replac\$6 and ((convert\$4 or conversion) with (file or	EPO; JPO;	
		application or data or type))	DERWENT;	,
			IBM_TDB	
24	31	(((((707/\$.ccls. or 714/\$.ccls.) and (sectors! same (ECC or	USPAT;	2004/03/09 13:57
		(error adj correction adj code)))) and area and driver) and	US-PGPUB;	
		replac\$6 and ((convert\$4 or conversion) with (file or	EPO; JPO;	
		application or data or type))) and writ\$4 and (read or reading	DERWENT;	
		or reread or rereading)	IBM_TDB	
25	30	((((707/\$.ccls. or 714/\$.ccls.) and (sectors! same (ECC or	USPAT;	2004/03/09 13:57
		(error adj correction adj code)))) and area and driver) and	US-PGPUB;	
		replac\$6 and ((convert\$4 or conversion) with (file or	EPO; JPO;	
	•	application or data or type))) and writ\$4 same (read or reading	DERWENT;	
	_	or reread or rereading)	IBM_TDB	
26	21	(((((707/\$.ccls. or 714/\$.ccls.) and (sectors! same (ECC or	USPAT;	2004/03/09 14:01
		(error adj correction adj code)))) and area and driver) and	US-PGPUB;	
	į į	replac\$6 and ((convert\$4 or conversion) with (file or	EPO; JPO;	
1		application or data or type))) and writ\$4 same (read or reading	DERWENT;	•
	L	or reread or rereading)) and error adj occur\$6	IBM_TDB	
		•	· ·	

27	1458	714/710,807,708,768,805.ccls.	USPAT; US-PGPUB;	2004/03/09 14:00
			EPO: JPO:	
			DERWENT:	
			IBM TDB	
28	318	714/710,807,708,768,805.ccls. and error adj occur\$6	USPAT;	2004/03/09 14:01
			US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	
29	18	(714/710,807,708,768,805.ccls. and error adj occur\$6) and	USPAT;	2004/03/09 14:02
İ		write adj error	US-PGPUB;	
			EPO; JPO; DERWENT;	
			IBM TDB	
30	9	((714/710,807,708,768,805.ccls. and error adj occur\$6) and	USPAT;	2004/03/09 14:04
		write adj error) and replac\$6	US-PGPUB;	•
į.			EPO; JPO;	
			DERWENT;	
			IBM_TDB	
31	9	((714/710,807,708,768,805.ccls. and error adj occur\$6) and	USPAT;	2004/03/09 14:04
		write adj error) and 714/710.ccls.	US-PGPUB; EPO; JPO;	
		,	DERWENT;	
			IBM TDB	
32	1	(((714/710,807,708,768,805.ccls. and error adj occur\$6) and	USPAT;	2004/03/09 14:06
		write adj error) and 714/710.ccls.) and (sectors! same (ECC	US-PGPUB;	
		or (error adj correction adj code)))	EPO; JPO;	
			DERWENT;	
			IBM_TDB	